Shaodong Wang

CONTACT
INFORMATION

Nanjing University of Science and Technology
School of Mathematics and Statistics
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EMPLOYMENT

Nanjing University of Science and Technology

Associate Professor   2023.06-present

Shanghai Jiao Tong University

Wu Wen-Tsun Assistant Professor   2019.05-2023.05

EDUCATION

McGill University

Ph.D. in Mathematics   2014.09-2019.06

- Dissertation Topic: Compactness and noncompactness of Yamabe-type problems on manifolds with boundary
- Advisors: Pengfei Guan and Jérôme Vétois

University of Science and Technology of China

B.S. in Mathematics   2010.09-2014.06

RESEARCH
INTERESTS

- Non-linear partial differential equations
- Geometric Analysis

PUBLICATIONS

C. Liu, S. Wang and R. Zhuo, *A priori estimates for anti-symmetric solutions to a fractional Laplacian equation in a bounded domain.* Preprint on arXiv:2308.02245.

S. Almaraz and S. Wang, *A compactness theorem for conformal metrics with constant scalar curvature and constant boundary mean curvature in dimension three.* Preprint on arXiv:2306.07088.

S. Almaraz and S. Wang, *Energy bounds of sign-changing solutions to Yamabe equations on manifolds with boundary.* Nonlinear Anal. 225 (2022), Paper No. 113131.

C. Liu and S. Wang, *A necessary condition for prescribing mean curvature equations in $\mathbb{B}^n$.* Proc. Amer. Math. Soc. 150 (2022), no. 11, 4831–4839.

S. Almaraz, O. Queiroz and S. Wang, *A compactness theorem for scalar-flat metrics on 3-manifolds with boundary.* J. Funct. Anal. 277 (2019), no. 7, 2092–2116.

J. Vétois and S. Wang, *Infinitely many solutions for cubic nonlinear Schrödinger equations in dimension four.* Adv. Nonlinear Anal. 8 (2019), no. 1, 715–724.

S. Wang, *Infinitely many blowing-up solutions for Yamabe-type problems on manifolds with boundary.* Commun. Pure Appl. Anal. 17 (2018), no. 1, 209–230.

ACADEMIC
ACTIVITIES

Invited Talks
- *CUHK/CUNY Compactness and Scalar Curvature Workshop*, CUHK/CUNY (Online)   2023.07

- *International Conference on PDEs and Geometric Analysis*, Shanghai Jiao Tong University (Online)   June 2022
- *PDE Seminar*, Chinese Academy of Sciences (Online)   May 2022
- *Mathematics Seminar*, Wuhan University of Technology (Online)   November 2021
- *International Conference on Geometric Analysis and PDEs*, Shanghai Jiao Tong University   July 2021
- *Workshop on Nonlinear PDEs XI*, Shanghai Jiao Tong University   March 2021
- *Nonlinear Evolutionary PDEs: Theories and Applications*, Shanghai Jiao Tong University (Online)   December 2020
- *Workshop on Geometric Analysis*, Tongji University   October 2019
- *Conference on Elliptic PDEs*, Fudan University   November 2019
- *Geometric Analysis Seminar*, Nanjing University   June 2019
- *Workshop on Nonlinear PDEs VII*, Shanghai Jiao Tong University   June 2019
- *Differential Geometry Seminar*, University of Federal Fluminense   October 2017
- *PDE Seminar*, University of Science and Technology of China   June 2017
- *Geometric Analysis Seminar*, McGill University   April 2017

International Conferences Attended
- *26th Southern California Geometric Analysis Seminar*, University of California, San Diego, USA   January 2019
- *Workshop in Geometric Analysis*, CRM, Montreal, Canada   March 2018
- *25th Southern California Geometric Analysis Seminar*, University of California, Irvine, USA   January 2018
- *The Second Mathematical Congress of the American*, Montreal, Canada   July 2017
- *Summer School on Geometric Analysis*, Fields Institute, Toronto, Canada   July 2017
- *Nirenberg Lecture Series in Geometric Analysis*, CRM, Montreal, Canada   March 2016

RESEARCH GRANTS
- National Natural Science Foundation of China (NSFC) No.12001364   2021-2023
- Shanghai Postdoctoral Excellence Program   2019-2020

HONORS AND AWARDS

At Shanghai Jiao Tong University
- Wu Wen-Tsun Postdoctoral Excellence Award   2021
- Chenxing Postdocoral Excellence Program   2020

At McGill University
- ISM Scholarship for outstanding PhD candidates   2019

Teaching Experience

At Shanghai Jiao Tong University
- MA247 Basic Calculus, Instructor   Fall 2020
- MA247 Basic Calculus, Instructor   Fall 2019

At McGill University
- Teaching Assistant   2015-2017